

Determining whether two successive waves are aligned or offset by angle-separation, for use with mechanical measurement in e.g. electric motor of e.g. pump

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Abstract

The wave determination method involves orienting light rays (26,27;28,29), especially a laser (20,24) beam, so that they fall onto an optoelectronic image array reference element (11), especially a charge-coupled device i.e. CCD. The positions or coordinates of the image elements which are activated is evaluated by a computer processor to describe the position of the light beam spots on the CCD. The orientation is effected using a half-silvered mirrors (21,23), one (21) of which is oriented at 45 degrees. An independent claim is included for an apparatus for carrying out the above method.

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